

# Ethernet over SONET Transport for Triple Play Services

Force10 Networks' provides the industry's leading solutions for high-capacity aggregation of broadband access platforms, and for reliable IPTV/Triple Play service transport utilizing Ethernet over SONET.

## IPTV/Triple Play Service Transport

Many LECs, and other network operators, are deploying IP-based Television services (IPTV) to complete the "triple play" delivery of voice, video and data services to their residential subscribers. In addition to providing an important new source of revenues, IPTV enables established telephone companies to compete more effectively with cable MSOs.

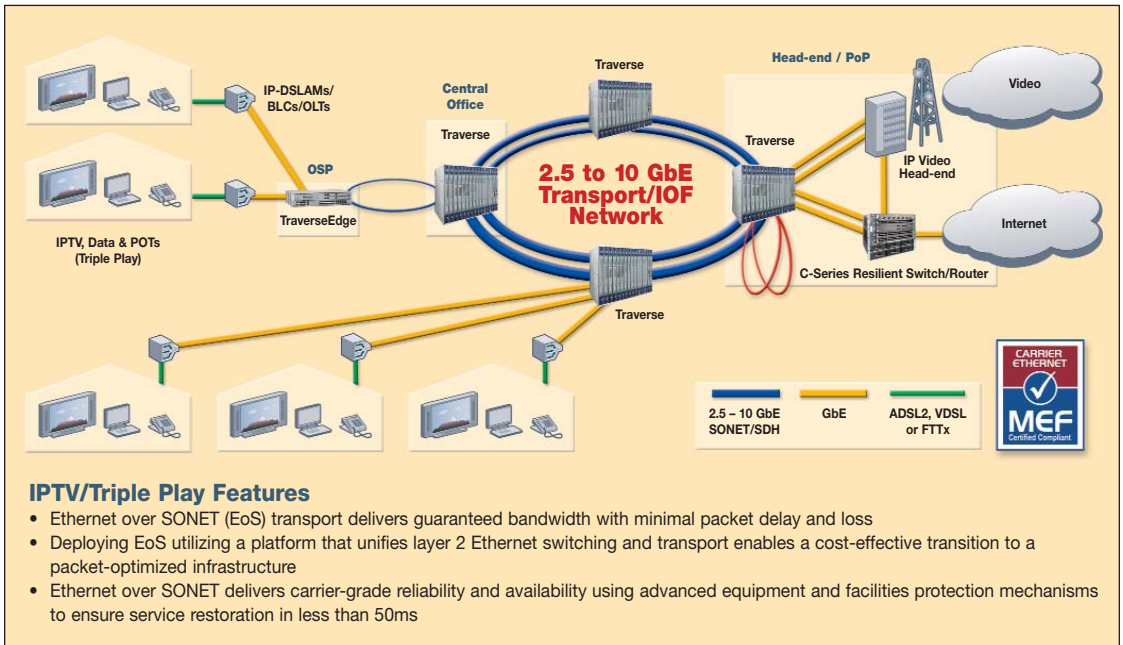
The deployment of IPTV is having a significant impact on the critical technologies and systems between the access network and the head-end. For one, new IP-based head-end and access network equipment utilizes gigabit Ethernet for network connectivity. At the same time, Video on Demand (VoD) and HDTV can easily overwhelm existing network capacity. Lastly, packet loss and delay can result in poor service quality and customer dissatisfaction.

## Ethernet Transport Solutions

Force10 Networks addresses these challenges with a range of products that unify L2 Ethernet switching and Ethernet over SONET transport. Optimized for

head-end, central office and outside plant (OSP) environments, Force10's highly-scalable Traverse® and TraverseEdge™ platforms enable the migration to a high-capacity, packet-optimized architecture that efficiently and reliably transports Ethernet traffic at up to 10 GbE rates. Leveraging the advantages of next generation SONET/SDH with carrier Ethernet, Force10's products ensure guaranteed bandwidth with ultra-low latency and jitter – an essential requirement for video transport. By supporting a variety of service delivery options such as VLAN switching and advanced traffic management, Force10's products support all video distribution architectures including broadcast, multicast IPTV and unicast VoD.

The Traverse and TraverseEdge platforms are complemented by Force10's C-Series platform, which can be deployed in the head-end to deliver scalable multicast switching and routing functionality. In addition, the C-Series and S-Series can be deployed in applications requiring high-density, low-cost native Ethernet aggregation and transport for triple play services.



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